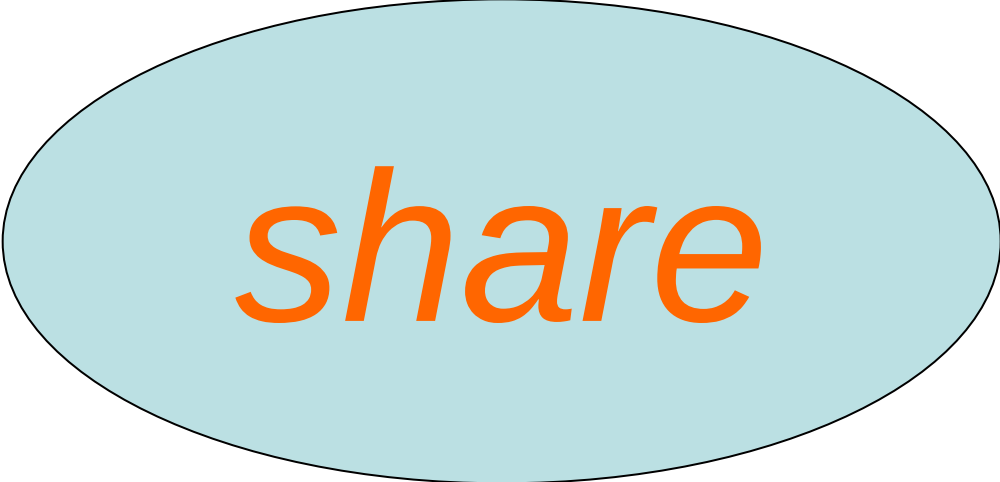


说说期刊那些事



share

交流提纲

- **1 期刊的发展历史和分类：**

- **2 期刊投稿的影响因素：**

影响因子，读者范围，审稿时间，审稿制度...

- **3 菜鸟发表处女作的投稿期刊建议：**

世界上最早的期刊

- 世界上最早的期刊，也是最早的科学技术期刊有两种：一为1665年1月5日由法国议院参事戴·萨罗律师(Denys de Sallo)创办于巴黎的《学者杂志》(*Journal des Scavans*)；二为1665年3月6日由英国皇家学会秘书亨利·奥尔登伯格(Henry Oldenburg)创办于伦敦的《哲学汇刊——世界各地有创造才能者当前的探索、研究和劳动的若干总结》(*Philosophical Transactions of the Royal Society*, 1776年后改为《英国皇家学会会刊》)。
- 《学者杂志》是在法国高级官员科尔贝的支持下创办的，它是一份文学与科学兼顾的期刊，首次采用Journal一词作为刊名，其办刊宗旨为：“满足我们的好奇心和不用花费多大气力就能学到东西的一种手段”。其内容主要是报道法国和其他国家出版的各类图书，包括新书出版动态、目次和文摘，也发表一些解释自然现象的物理、化学和解剖学实验，以及气象观测记录数据等。可贵的是，这份期刊创造了世界上第一个由科学家组成的编委会，以协助编辑评审稿件并形成了期刊同仁评审体制的雏形。《学者杂志》并未延续下来，创办不久即以干涉法律与神学事务而被查禁，而时隔两个月之后创办的《哲学汇刊》却一直延续至今，成为世界上连续办刊时间最长的学术期刊。

- 英国《自然》周刊简介(Nature) www.nature.com
- 《Nature》周刊是世界上最早的国际性科技期刊，自从1869年在达尔文支持下创刊以来，始终如一地报道和评论全球科技领域里最重要的突破，其办刊宗旨是“将科学发现的重要结果介绍给公众...，让公众尽早知道全世界自然知识的每一分支中取得的所有进展”。《自然》曾发表过的重要研究论文有：X-射线，中子，电子的发现，全息术的发明，DNA的结构，克隆羊多利等。现今由The Nature Publishing Group出版，发展有多种姊妹刊。
- 美国《科学》周刊简介www.sciencemag.org
- 《科学》周刊由托马斯·爱迪生支持创办于1880年，自1900年起成为美国科学促进会（AAAS）的官方刊物。杂志的早期以报告物理类科学研究著称，有无线电报技术、新的化学元素、以及怀特兄弟飞行试验的最早报道等内容。后来促进会对杂志社进行宏观监控,主要报导科学新闻、研究成果和科研发展趋势,其办刊宗旨是“发展科学，服务社会”。《科学》周刊严格的同行评议过程确定了该杂志作为有声望的、可信的新科学信息的来源的地位。

核心期刊概念

- 1931年著名文献学家布拉德福首先揭示了文献集中与分散规律，发现某时期某学科1/3的论文刊登在 3.2%的期刊上；1967年联合国教科文组织研究了二次文献在期刊上的分布，发现75%的文献出现在10%的期刊中；1971年，SCI的创始人加菲尔德统计了参考文献在期刊上的分布情况，发现24%的引文出现在1.25%的期刊上，等等，这些研究都表明期刊存在“核心效应”，从而衍生出了“核心期刊”的概念。

核心期刊

——某学科（或某领域）的核心期刊，是指那些发表该学科（或该领域）**论文较多**、**使用率**（含被引率、摘转率和流通率）较高、**学术影响较大**的期刊。

目前：**国际**三大索引：

- SCI《**科学引文索引**》， Science Citation Index
- EI《**工程索引**》， The Engineering Index
- CPCI [ISTP]《**科技会议录索引**》， Conference Proceedings Citation Index (Index to Scientific & Technical Proceedings)

- **国内**有7大核心期刊（或来源期刊）遴选体系：
- **北京大学图书馆**“中文核心期刊”
- **南京大学**“中文社会科学引文索引（**CSSCI**）来源期刊”
- **中国科学技术信息研究所**“中国科技论文统计源期刊”（又称“中国科技核心期刊”）
- **中国社会科学院文献信息中心**“中国人文社会科学核心期刊”
- **中国科学院文献情报中心**“**中国科学引文数据库（CSCD）**来源期刊”
- **中国人文社会科学学报学会**“**中国人文社会科学学报核心期刊**”
- **万方数据股份有限公司**正在建设中的“**中国核心期刊遴选数据库**”。



Is SCI 《Science Citation Index》 a journal?

SCI是美国《科学引文索引》的英文简称，其全称为：Science Citation Index,，创刊于1961年，它是根据现代情报学家加菲尔德(Engene Garfield) 1953年提出的引文思想而创立的。

1963年出版 *Science Citation Index*

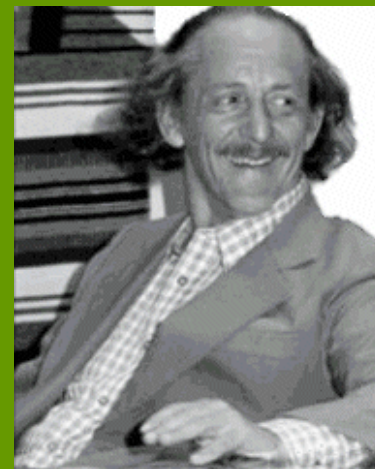
1973年出版 *Social Sciences Citation Index*

1978年出版 *Arts & Humanities Citation Index*

A: yes

B: no

C: I don't know



Dr. Eugene Garfield

Founder & Chairman Emeritus
ISI, Thomson Scientific

“Our ultimate goal is to extend our retrospective coverage of the scientific literature back to the twentieth century. The Century of Science initiative makes that dream come true.”

常见问题解答：SCI和SCIE有什么关系？

- SCI光盘版与SCI网络版收录标准完全一致，区别：载体的不同
- SCI载体的发展是随着科学技术手段的进步不断发展的：

SCI纸本期刊 → SCI光盘版 → SCI网络版

- SCI的期刊收录是一个动态变化的过程，会不断收入新学科新地域等的优秀期刊，并持续跟踪和监测，以保证其始终如一的高水准。而光盘版的容量有限，只能兼顾地域性地收入3000多种。
- 查看当前被SCI收录的期刊列表
 - <http://science.thomsonreuters.com/mjl/>

- [Science Citation Index®](#) >
- [Science Citation Index Expanded™](#) > ([Web of Science](#))
- [Social Sciences Citation Index®](#) > ([Web of Science](#))

JOURNAL SEARCH



SCIENCE CITATION INDEX EXPANDED

SEARCH	Find a specific journal by title, title words, or ISSN
VIEW JOURNAL LIST	View a list of all journals
VIEW SUBJECT CATEGORY	View a list of all journals covered in a specific category
VIEW JOURNAL CHANGES	View a list of all journal coverage changes

交流提纲

- **1 期刊的发展历史和分类：**

- **2 期刊投稿的影响因素：**

影响因子，读者范围，审稿时间，审稿制度...

- **3 菜鸟发表处女作的投稿期刊建议：**

Impact Factor (IF)

Impact Factor₂₀₀₉ =

$$\frac{\text{Number of citations in 2009 to articles published in 2007 and 2008}}{\text{Number of source items published in 2007 and 2008}}$$

Cited window	Citing window
2004	2004
2005	2005
2006	2006
2007	2007
2008	2008
2009	2009

Example

Journal of ... publishes 75 articles in 2008 and 83 articles in 2007.

In 2009 it receives a total of 344 citations to these articles in all the other published journals.

The journal's Impact Factor for 2009 is
 $344 \div (75 + 83) = 2.18$



What the highest Journal Impact Factor Today?



CA: A Cancer Journal for Clinicians 101.78

Journal Citation Reports[®][Information for New Users](#)

Select a JCR edition and year:	Select an option:
☒ JCR Science Edition 2011	☐ View a group of journals by Subject Category
	☐ Search for a specific journal
	☒ View all journals
SUBMIT	

Journal Summary List

Journals from: All Journals

Sorted by: Impact Factor

[Journal Title Changes](#)

Journals 1 - 20 (of 8336)

Page 1 of 417

Ranking is based on your journal and sort selections.

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data						Eigenfactor [®] Metrics	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor [®] Score	Article Influence [®] Score
☐	1	CA-CANCER J CLIN	0007-9235	10976	101.780	67.410	21.263	19	3.8	0.04500	24.536
☐	2	NEW ENGL J MED	0028-4793	232068	53.298	50.075	11.484	349	7.8	0.66383	21.304
☐	3	ANNU REV IMMUNOL	0732-0582	15990	52.761	42.901	9.174	23	8.2	0.05199	23.427
☐	4	REV MOD PHYS	0034-6861	31368	43.933	44.436	10.026	38	9.8	0.11661	28.900
☐	5	CHEM REV	0009-2655	103702	40.197	42.054	7.158	196	7.9	0.21470	13.333

statistical data

ISI Web of KnowledgeSM

Journal Citation Reports[®]

WELCOME HELP RETURN TO LIST NEXT JOURNAL

2011 JCR Science Edition

Journal: CA-A CANCER JOURNAL FOR CLINICIANS

Mark	Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
	CA-CANCER J CLIN	0007-9235	10976	101.780	67.410	21.263	19	3.8	5.6
Cited Journal Citing Journal Source Data Journal Self Cites									

CITED JOURNAL DATA

CITING JOURNAL DATA

IMPACT FACTOR TREND

RELATED JOURNALS

Journal Information

Full Journal Title: CA-A CANCER JOURNAL FOR CLINICIANS

ISO Abbrev. Title: CA-Cancer J. Clin.

JCR Abbrev. Title: CA-CANCER J CLIN

ISSN: 0007-9235

Issues/Year: 6

Language: ENGLISH

Journal Country/Territory: UNITED STATES

Publisher: WILEY-BLACKWELL

Publisher Address: COMMERCE PLACE, 350 MAIN ST, MALDEN 02148, MA,

Subject Categories: ONCOLOGY

SCOPE NOTE

VIEW JOURNAL SUMMARY LIST

VIEW CATEGORY DATA

Eigenfactor[®] Metrics

Eigenfactor[®] Score

0.04500

Article Influence[®] Score

24.536

Additional Links

National Library of China GO

Journal Rank in Categories: JOURNAL RANKING

Journal Impact Factor

Journal Ranking

ISI Web of KnowledgeSM

Journal Citation Reports[®]



2011 JCR Science Edition

Rank in Category: CA-A CANCER JOURNAL FOR CLINICIANS

Journal Ranking ⓘ

For **2011**, the journal **CA-A CANCER JOURNAL FOR CLINICIANS** has an Impact Factor of **101.780**.

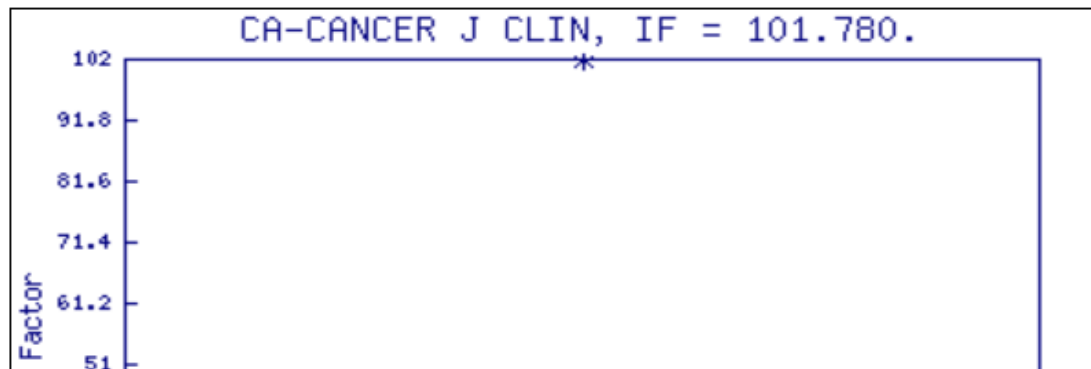
This table shows the ranking of this journal in its subject categories based on Impact Factor.

Category Name	Total Journals in Category	Journal Rank in Category	Quartile in Category
ONCOLOGY	196	1	Q1

Category Box Plot ⓘ

For **2011**, the journal **CA-A CANCER JOURNAL FOR CLINICIANS** has an Impact Factor of **101.780**.

This is a box plot of the subject category or categories to which the journal has been assigned. It provides information about the distribution of journals based on Impact Factor values. It shows median, 25th and 75th percentiles, and the extreme values of the distribution.



Select a JCR edition and year:	Select an option:
☒ JCR Science Edition 2010 ▾	☐ View a group of journals by Subject Category ▾
	☒ Search for a specific journal
	☐ View all journals
SUBMIT	

Journal Citation Reports

Journal Search

The Journal Search page allows you to search for specific titles.

1. Select a search option from the **Search by** menu. The options are: [Full Journal Title](#), [Abbreviated Journal Title](#), [Title Word](#), and [ISSN](#).
2. Enter a title, a partial title, a title word, or an ISSN. Capitalization does not affect your search.
3. Click the **Search** button.

Search Examples:

Full Journal Title: Enter JOURNAL OF CELLULAR PHYSIOLOGY
or JOURNAL OF CELL* ([more examples](#))

Abbreviated Journal Title: Enter J CELL PHYSIOL or J CELL * ([more examples](#))

Title Word: Enter CELLULAR or CELL* ([more examples](#))

ISSN: Enter 0021-9541 or other ISSN ([more examples](#))

Full Journal Title

Enter a journal title or a partial title with a wildcard. As an alternative, click **view list of full journal titles**, and then cut and paste a title from the list.

The asterisk (*) wildcard represents any number of characters, including no characters. At least one character is required before the asterisk.

Examples:

- **Journal of Mathematical Chemistry** matches *Journal of Mathematical Chemistry*.
- **Journal of Math*** matches *Journal of Mathematical Biology*, *Journal of Mathematical Chemistry*, *Journal of Mathematical Economics*, etc.

Abbreviated Journal Title

Enter an abbreviated journal title. The abbreviated journal title must be the JCR abbreviated title, not the ISO abbreviated title. You may use the asterisk wildcard to truncate abbreviated titles.

Examples:

- **Mol Mater** matches *Mol Mater (Molecular Materials)*.
- **Mol*** finds *Mol Biol Cell (Molecular Biology of the Cell)*, *Mol Cell Biol (Molecular and Cellular Biology)*, *Mol Mater (Molecular Materials)*, etc.
- **Mol Cancer*** finds *Mol Cancer Res (Molecular Cancer Research)* and *Mol Cancer Ther (Molecular Cancer Therapeutics)*.

Title Word

Find journals whose title contains the word you enter. Truncate to find plurals and variant spellings.

Examples:

- **Ocean** finds *Applied Ocean Research*, *China Ocean Engineering*, *Ocean & Coastal Management*, etc.
- **Ocean*** finds the same titles that **Ocean** finds, as well as *Fish Oceanography*, *Oceanology*, and other titles that contains a word beginning with *Ocean*.
- **Ocean Eng*** finds *China Ocean Engineering*, *Ocean Engineering*, and *Journal of Waterway Port Coastal and Ocean Engineering-ASCE*.

ISSN

Find the journal whose [ISSN](#) matches exactly the number you enter. Keep in mind that a journal may have two ISSNs if it is published as printed journal and an electronic journal.

Examples:

- **0248-4900** finds the journal whose ISSN is 0248-4900.
- **02484900** finds the journal whose ISSN is 0248-4900.

[所有数据库](#)[选择一个数据库](#)[检索](#)[作者甄别](#)[被引参考文献检索](#)[化学结构](#)

Web of ScienceSM

被引参考文献检索 (查找引用个人著作)

第 1 步: 输入有关 "被引著作" 的信息。各字

* 注: 输入与其他字段相组配的卷、期或页可能会

示例: O'Brian C* OR OBrian C*

示例: J Comp* Appl* Math* (期刊缩)

示例: 1943 or 1943-1945

[添加另一字段 >>](#)

[检索](#)[清除](#)[只能进](#)

期刊名称缩写

此列表显示作为被引著作的期刊名称缩写。从此列表中复制缩写形式的(黑体字)名称并粘贴到“被引参考文献检索”页面中的“被引著作”字段

使用被引著作索引查找更多的期刊名称缩写, 以及书籍和其他出版物名称的缩写。此索引包括 *Web of Science* 中所有的

单击字母, 按照字母顺序浏览期刊列表。

0-9 [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

期刊列表

A + U-ARCHITECTURE AND URBANISM
A U-ARCHIT URBAN
A CRITICAL REVIEW: LASER TECHNOLOGIES FOR DEFENSE AND SECURITY
P SOC PHOTO-OPT INS
A N A E-APPROCHE NEUROPSYCHOLOGIQUE DES APPRENTISSAGES CHEZ L ENFANT
ANAE
A WAKE NEWSLITTER
WAKE NEWSL
AAA-ARBEITEN AUS ANGLISTIK UND AMERIKANISTIK
AAA-ARB ANGLIST AM
AAAS R&D BUDGET AND POLICY PROJECT
AAAS R&D B
AAAS SELECTED SYMPOSIA SERIES
AAAS SELECT
AACE BULLETIN
AACE BULL
AALL PUBLICATIONS SERIES
AALL PUBL S
AAPG BULLETIN
AAPG BULL
AAPG BULLETIN-AMERICAN ASSOCIATION OF PETROLEUM GEOLOGISTS
AAPG BULL
AAPG MEMOIRS
AAPG MEMOIR
AAPG STUDIES IN GEOLOGY
AAPG STUD GEOL
AAPS JOURNAL
AAPS J
AAPS PHARMSCI
AAPS PHARMSCI
AAPS PHARMSCITECH

Journal Title Abbreviations

Journal Citation Reports[®]

[Information for New Users](#)

Select a JCR edition and year:	Select an option:
☒ JCR Science Edition 2011 ▼	☒ View a group of journals by Subject Category ▼
	☐ Search for a specific journal
	☐ View all journals
SUBMIT	

This product is best viewed in 800x600 or higher resolution

[NOTICES](#)

Journal Citation Reports[®]

 WELCOME

 HELP

Subject Category Selection

1) Select one or more categories from the list.

[\(How to select more than one\)](#)

CELL & TISSUE ENGINEERING
CELL BIOLOGY
CHEMISTRY, ANALYTICAL
CHEMISTRY, APPLIED
CHEMISTRY, INORGANIC & NUCLEAR
CHEMISTRY, MEDICINAL
CHEMISTRY, MULTIDISCIPLINARY
CHEMISTRY, ORGANIC
CHEMISTRY, PHYSICAL

2) Select to view Journal data or aggregate Category data.

☒  View Journal Data - sort by: Journal Title ▼

☐  View Category Data - sort by: Category Title ▼

 Journal Summary List[Journal Title Changes](#)Journals from: subject categories CHEMISTRY, MULTIDISCIPLINARY  VIEW CATEGORY SUMMARY LISTSorted by: Journal Title  SORT AGAIN

Journals 1 - 20 (of 154)

 MARK ALL  UPDATE MARKED LIST Sort again  6  7  8  

Page 1 of 8

Ranking is based on your journal and sort selections.

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data 						Eigenfactor® Metrics 	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor® Score	Article Influence® Score
	1	ACCOUNTS CHEM RES	0001-4842	39664	21.640	22.507	3.460	126	7.0	0.10120	7.299
	2	ACS COMB SCI	2156-8952	81			0.852	88		0.00006	
	3	ACS NANO	1936-0851	22409	11.421	11.708	1.631	1141	2.0	0.12083	3.767
	4	ACTA CHIM SINICA	0567-7351	2291	0.533	0.531	0.041	461	5.6	0.00281	0.067
	5	ACTA CHIM SLOV	1318-0207	1116	1.328	1.278	0.109	119	4.1	0.00299	0.262
	6	ACTA PHARMACOL SIN	1671-4083	4685	1.953	2.083	0.380	200	6.1	0.00998	0.513

journal list

2011 JCR Science Edition

 WELCOME  HELP

Journal Summary List

[Journal Title Changes](#)

Journals from: ~~subject categories~~ CHEMISTRY, MULTIDISCIPLINARY  VIEW CATEGORY SUMMARY LIST

Sorted by: Impact Factor  SORT AGAIN

Journals 1 - 20 (of 154)

Navigation icons: back, forward, first, last, and page numbers [1 | 2 | 3 | 4 | 5 | 6 | 7 | 8]

Page 1 of 8

MARK ALL UPDATE MARKED LIST

Ranking is based on your journal and sort selections.

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data 						Eigenfactor® Metrics 	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor® Score	Article Influence® Score
	1	CHEM REV	0009-2665	103702	40.197	42.054	7.158	196	7.9	0.21470	13.333
	2	CHEM SOC REV	0306-0012	35918	28.760	28.098	5.471	314	3.2	0.13678	8.089
	3	ACCOUNTS CHEM RES	0001-4842	39664	21.640	22.507	3.460	126	7.0	0.10120	7.299
	4	NAT CHEM	1755-4330	5260	20.524	20.533	5.308	120	1.8	0.03284	7.957
	5	NANO TODAY	1748-0132	2170	15.355	16.078	2.324	37	2.8	0.01213	5.167
	6	ADV MATER	0935-9648	79860	13.877	12.813	2.155	789	5.0	0.26241	4.071
	7	ANGEW CHEM INT EDIT	1433-7851	209862	13.455	13.195	2.898	2002	5.4	0.51421	3.378
	8	NANO LETT	1530-6984	75287	13.198	13.843	2.082	955	4.2	0.34591	5.070
			1936-								

A special journal

Journal Citation Reports®

[WELCOME](#) [HELP](#) [RETURN TO LIST](#) [PREVIOUS JOURNAL](#) [NEXT JOURNAL](#)

2011 JCR Science Edition

Journal: Nano Today

Mark	Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
	NANO TODAY	1748-0132	2170	15.355	16.078	2.324	37	2.8	4.0
Cited Journal Citing Journal Source Data Journal Self Cites									

[CITED JOURNAL DATA](#)

[CITING JOURNAL DATA](#)

[IMPACT FACTOR TREND](#)

[RELATED JOURNALS](#)

Journal Information

Full Journal Title: Nano Today

ISO Abbrev. Title: Nano Today

JCR Abbrev. Title: NANO TODAY

ISSN: 1748-0132

Issues/Year: 6

Language: ENGLISH

Journal Country/Territory: ENGLAND

Publisher: ELSEVIER SCI LTD

Publisher Address: THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, OXON, ENGLAND

Subject Categories: CHEMISTRY, MULTIDISCIPLINARY

[SCOPE NOTE](#)

[VIEW JOURNAL SUMMARY LIST](#)

[VIEW CATEGORY DATA](#)

NANOSCIENCE & NANOTECHNOLOGY

[SCOPE NOTE](#)

[VIEW JOURNAL SUMMARY LIST](#)

[VIEW CATEGORY DATA](#)

MATERIALS SCIENCE, MULTIDISCIPLINARY

[SCOPE NOTE](#)

[VIEW JOURNAL SUMMARY LIST](#)

[VIEW CATEGORY DATA](#)

Journal Rank in Categories: [JOURNAL RANKING](#)

Eigenfactor® Metrics

Eigenfactor® Score

0.01213

Article Influence® Score

5.167

Additional Links

National Library of China

[GO](#)

A special journal

ISI Web of KnowledgeSM

Journal Citation Reports®



2011 JCR Science Edition

 Rank in Category: Nano Today

Journal Ranking

For **2011**, the journal **Nano Today** has an Impact Factor of **15.355**.

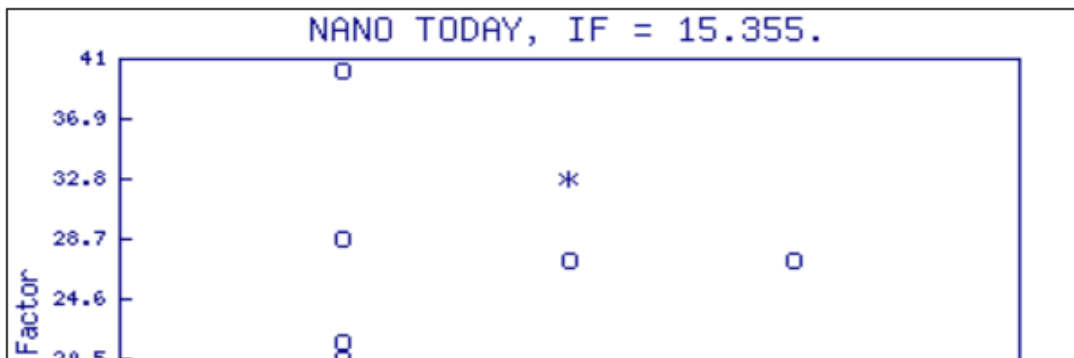
This table shows the ranking of this journal in its subject categories based on Impact Factor.

Category Name	Total Journals in Category	Journal Rank in Category	Quartile in Category
CHEMISTRY, MULTIDISCIPLINARY	154	5	Q1
MATERIALS SCIENCE, MULTIDISCIPLINARY	232	4	Q1
NANOSCIENCE & NANOTECHNOLOGY	66	2	Q1

Category Box Plot

For **2011**, the journal **Nano Today** has an Impact Factor of **15.355**.

This is a box plot of the subject category or categories to which the journal has been assigned. It provides information about the distribution of journals based on Impact Factor values. It shows median, 25th and 75th percentiles, and the extreme values of the distribution.



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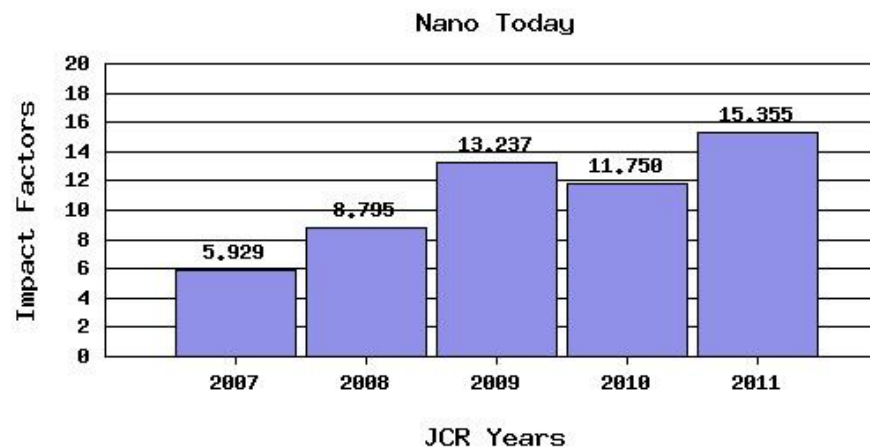
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2011 JCR Science Edition

Impact Factor Trend Graph: Nano Today

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*Impact Factor -- see below for calculations

The journal impact factor is a measure of the frequency with which the "average article" in a journal has been cited in a particular year. The impact factor will help you evaluate a journal's relative importance, especially when you compare it to others in the same field. For more bibliometric data and information on this and other journal titles click on the "Return to Journal" button.

NOTE: Title changes and coverage changes may result in no impact factor for one or more years in the above graph.

2011 Impact Factor

Cites in 2011 to articles published in: 2010 = 493	Number of articles published in: 2010 = 37
2009 = 674	2009 = 39
Sum: 1167	Sum: 76

Calculation: $\frac{\text{Cites to recent articles}}{\text{Number of recent articles}} = \frac{1167}{76} = 15.355$



Related Journals: Nano Today

Journal Relatedness is based on the strength of cited and citing relationships. The table below lists journal(s) that likely cover topics related to those covered in NANO TODAY. [More information about these calculations.](#)

Sorted by: R max

SORT AGAIN

Journal: Nano Today




 [1 | 2 | 3 | 4 | 5 | 6 | 7]
 



Page 1 of 7

- R max
- R max
- Related journal
- R journal to j
- R j to journal

	Related journal (j)	Relatedness (R)	
		NANO TODAY to j	j to NANO TODAY
249.04	NANO TODAY	249.04	249.04
118.62	NAT MATER	118.62	9.23
112.23	NAT NANOTECHNOL	112.23	41.39
84.39	ADV DRUG DELIVER REV	84.39	11.27
61.77	SMALL		
56.68	ACCOL		
51.44	NANO		
49.45	NANO		
47.88	ADV M		
41.50	J NANO		
38.02	WIRES		
37.26	CURR		
37.02	MATER		
35.26	CHEM		
30.79	NANO		
30.16	MACROMOL BIOSCI	2.69	30.16
29.78	TER	29.78	13.65

Two values are given in the Relatedness (R) column:

journal to j

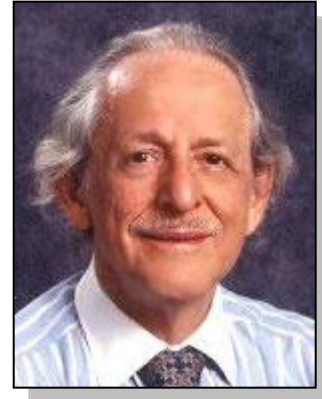
Citations from current journal to Related Journal (j)

j to journal

Citations from Related Journal (j) to current journal

The higher of these two values appears in the $R_{\max}$ column. Journals in the table are ranked according to the $R_{\max}$ value. Journals at the top of the table are more likely to have a strong subject connection to the journal identified at the top of the page than journals at the bottom of the table.

I first mentioned the idea of an impact factor in 1955. At that time it did not occur to me that impact would one day become the subject of widespread controversy. It has been used constructively **to select the best journals for *Current Contents*® and the *Science Citation Index*,®** and for library collections. However, it has been **misused in many situations, especially in the evaluation of individual researchers.**



“The use of JCR and JPI in measuring short and long term journal impact”. Presented by Eugene Garfield at Council of Scientific Editors Annual Meeting held in May 9, 2000.

<http://www.garfield.library.upenn.edu/papers/cseimpactfactor05092000.html>

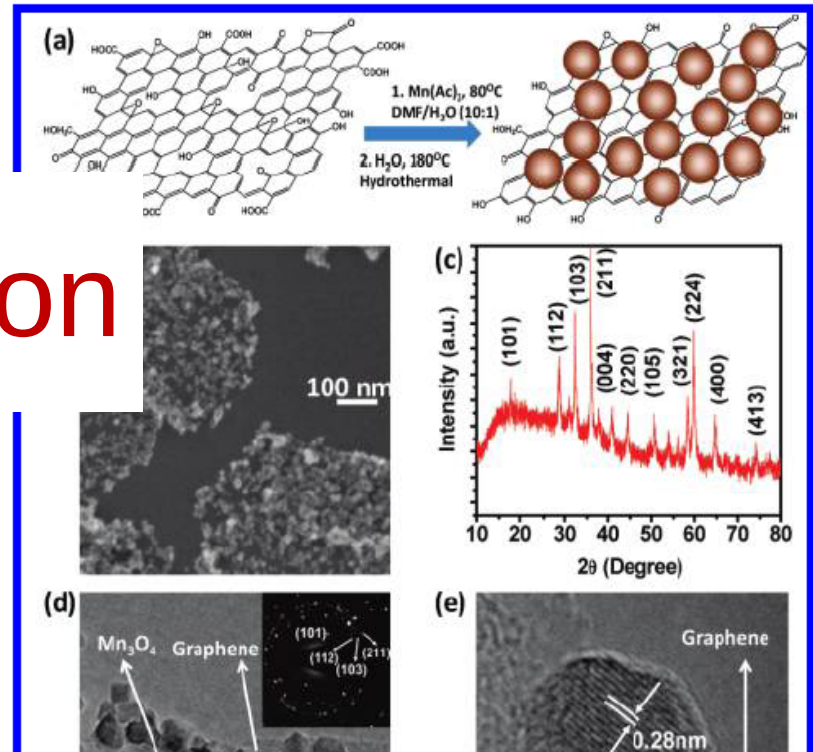
Mn₃O₄–Graphene Hybrid as a High-Capacity Anode Material for Lithium Ion Batteries

Hailiang Wang,^{†,§} Li-Feng Cui,^{†,§} Yuan Yang,[‡] Hernan Sanchez Casalongue,[†]
Joshua Tucker Robinson,[†] Yongye Liang,[†] Yi Cui,^{*,‡} and Hongjie Dai^{*,†}

Department of Chemistry and Laboratory for Advanced Materials and Department of Materials Science and Engineering, Stanford University, Stanford, California 94305

Received June 17, 2010; E-mail: hdai@stanford.edu; yicui@stanford.edu

Abstract: We developed two-step solution-phase reactions to form hybrid materials of Mn₃O₄ nanoparticles on reduced graphene oxide (RGO) sheets for lithium ion battery applications. Selective growth of Mn₃O₄ nanoparticles on RGO sheets, in contrast to free



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between the graphene substrates and the Mn₃O₄ nanoparticles grown atop. The Mn₃O₄/RGO hybrid could be a promising candidate material for a high-capacity, low-cost, and environmentally friendly anode for lithium ion batteries. Our growth-on-graphene approach should offer a new technique for the design and synthesis of battery electrodes based on highly insulating materials.

Graphene Anchored with Co_3O_4 Nanoparticles as Anode of Lithium Ion Batteries with Enhanced Reversible Capacity and Cyclic Performance

Zhong-Shuai Wu, Wencai Ren,* Lei Wen, Libo Gao, Jinping Zhao, Zongping Chen, Guangmin Zhou, Feng Li, and Hui-Ming Cheng*

Shenyang National Laboratory for Materials Science, Institute of Metal Research, Chinese Academy of Sciences, 72 Wenhua Road, Shenyang 110016, People's Republic of China

Lithium-ion batteries (LIBs) are the power source of choice not only for popular consumer electronics but also for upcoming electric vehicles.^{1–3} So far, various materials, such as graphitic/non-graphitic carbon,⁴ transition-metal oxides (SnO_2 ,⁵ TiO_2 ,⁶ Fe_2O_3 ,⁷ Co_3O_4 ,^{8–10} NiO ,¹¹ MnO_2 ,¹² MoO_3 ,¹³ WO_3 ,¹⁴), chalcogenides (TiS_2),^{15,16} nitrides,¹⁷ polymers,¹⁸ lithium alloys (Si, Sn, Al, Sb)/multinary alloys,^{19–21} and their composites,^{22–26} have been exploited as the anode materials of LIBs. Among them, Co_3O_4 attracts extensive interest for LIBs due to its high theoretical capacity (890 mAh g^{-1}), more than two times larger than that of graphite (372 mAh g^{-1}), which are expected to meet the requirements of future energy storage systems.^{9–10} However, its large volume expansion/contraction and severe particle aggregation associated with the Li^+ insertion and extraction process lead to electrode pulverization and loss of interparticle contact and, consequently, result in a large irreversible capacity loss and poor cycling stability.^{27,28} A variety of appealing strategies have been utilized to solve these intractable problems, including the use of carbon-based

ABSTRACT We report a facile strategy to synthesize the nanocomposite of Co_3O_4 and conducting graphene as an advanced anode material for high-performance lithium ion batteries. The Co_3O_4 nanoparticles obtained are 10–30 nm in size and homogeneously anchor on graphene sheets, preventing the neighboring sheets separated. This Co_3O_4 /graphene nanocomposite displays superior electrochemical performance with large reversible capacity, excellent cyclic performance, and good rate capability. The results demonstrate the effectiveness of the anchoring of nanoparticles on graphene sheets for maximum utilization of electrode materials and graphene for energy storage applications in high-performance lithium ion batteries.

KEYWORDS: graphene • cobalt oxide • nanomaterial • anode • lithium-ion batteries • cyclic performance

advanced anode material in LIBs^{35–45} due to its superior electrical conductivity, high surface-to-volume ratio, ultrathin thickness, structural flexibility, and chemical stability.^{46–50} It has been demonstrated that graphene-based anode materials have large initial discharge capacity ($600\text{--}2042 \text{ mAh g}^{-1}$) and reversible capacity ($540\text{--}1264 \text{ mAh g}^{-1}$), although they suffer from large irreversible capacity, low initial Coulombic efficiency, and fast capacity fading.^{36–42} More importantly, graphene can also be used in composites with metallic or oxide NPs to improve the electrochemical performance of these

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efficiency, achieving long cycling life and good rate capability of Co_3O_4 electrode material still remains a great challenge.

Graphene, a new two-dimensional carbon material, is recently expected to be an

sion/contraction and aggregation of NPs during Li charge/discharge process.⁴⁰ Meanwhile, the anchoring of NPs on graphene can effectively reduce the degree of restacking of graphene sheets and consequently

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Electrochimica Acta

journal homepage: www.elsevier.com/locate/electacta



Enhanced cycling performance of Fe_3O_4 –graphene nanocomposite as an anode material for lithium-ion batteries

Peichao Lian^a, Xuefeng Zhu^b, Hongfa Xiang^a, Zhong Li^a, Weishen Yang^b, Haihui Wang^{a,*}

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Anode material

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ABSTRACT

Fe_3O_4 –graphene nanocomposite was prepared by a gas/liquid interface reaction. The structure and morphology of the Fe_3O_4 –graphene nanocomposite were characterized by X-ray diffraction, scanning electron microscopy and high-resolution transmission electron microscopy. The electrochemical performances were evaluated in coin-type cells. Electrochemical tests show that the Fe_3O_4 –22.7 wt.% graphene nanocomposite exhibits much higher capacity retention with a large reversible specific capacity of 1048 mAh g^{-1} (99% of the initial reversible specific capacity) at the 90th cycle in comparison with that of the bare Fe_3O_4 nanoparticles (only 226 mAh g^{-1} at the 34th cycle). The enhanced cycling performance can be attributed to the facts that the graphene sheets distributed between the Fe_3O_4 nanoparticles can prevent the aggregation of the Fe_3O_4 nanoparticles, and the Fe_3O_4 –graphene nanocomposite can provide buffering spaces against the volume changes of Fe_3O_4 nanoparticles during electrochemical cycling.

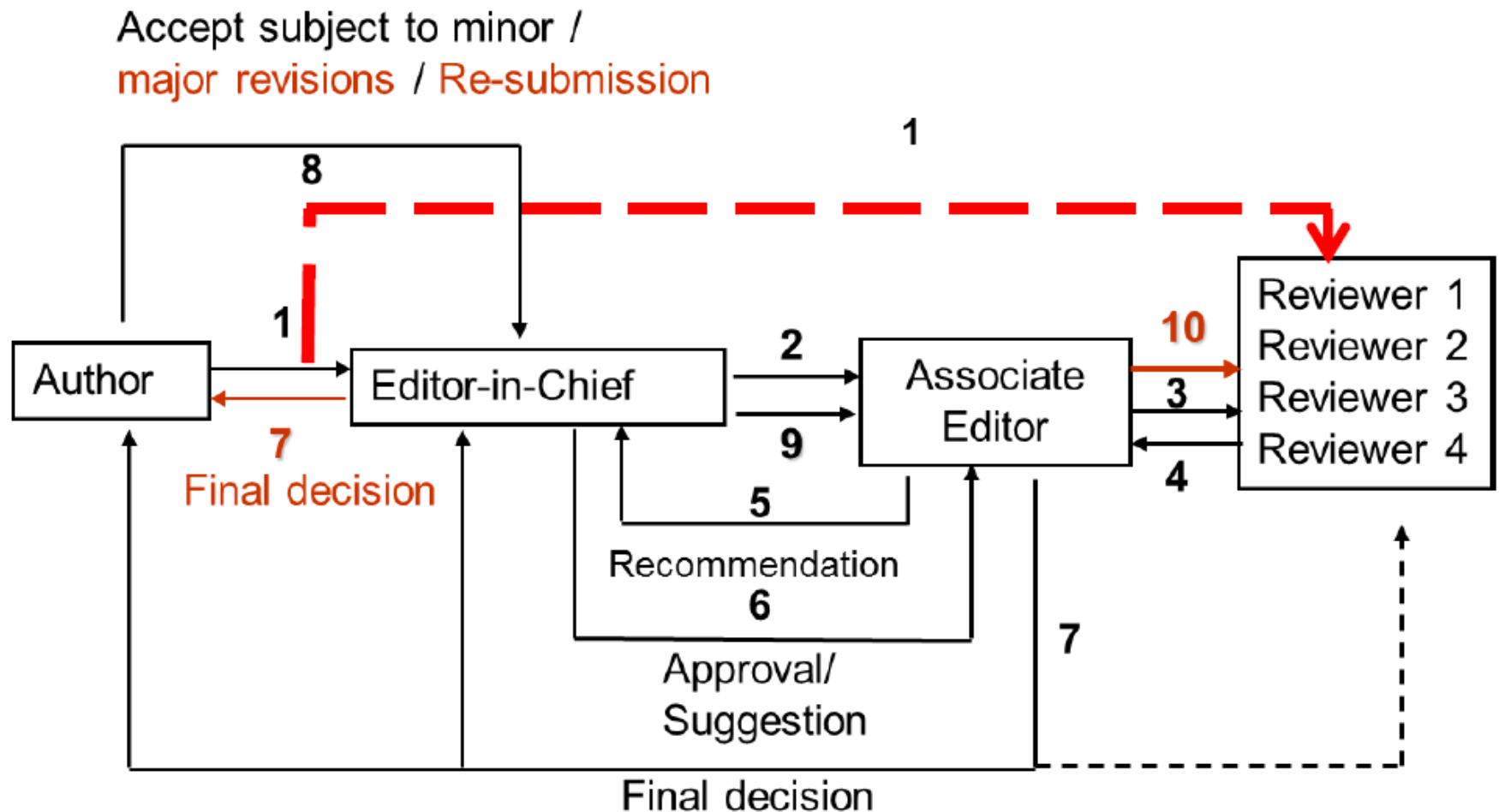
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sources for portable electronic devices and viewed as the promising power source of electric vehicle. Their energy density and power density mainly depend on the physical and chemical properties of

host anode during rapid charge [1,12]. Further advantages over other carbon alternatives in ionic conductivity, low cost and eco-friendliness [5,11–14]. However, its application in practical lithium-ion batteries is still hindered by the poor cycling performance arising from the severe aggregation and huge volume change of Fe_3O_4 .

Review Process



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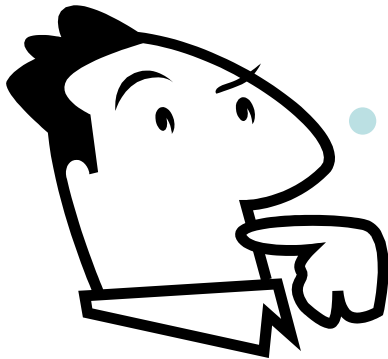
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作者: Azam, Ameer

来源出版物: JOURNAL OF ALLOYS AND COMPOUNDS 卷: 540 页: 145-153 DOI:

10.1016/j.jallcom.2012.06.068 出版年: NOV 5 2012

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2. 标题: Inactivation of bacteria under visible light and in the dark by Cu films. Advantages of Cu-HIPIMS-sputtered films

作者: Ehasarian, A.; Pulgarin, Cesar; Kiwi, John

来源出版物: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH 卷: 19 期: 9 页: 3791-3797 DOI:

10.1007/s11356-011-0734-7 出版年: NOV 2012

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☐	JOURNAL OF PHYSICAL CHEMISTRY C	84	2.291 %	
☐	JOURNAL OF APPLIED PHYSICS	79	2.155 %	
☐	PHYSICAL REVIEW B	78	2.128 %	
☐	APPLIED PHYSICS LETTERS	73	1.991 %	
☐	JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY	68	1.855 %	
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作者: Zhang, Wenjing; Cao, Haiyong; Feng, Xue; 等.

来源出版物: JOURNAL OF ALLOYS AND COMPOUNDS 卷: 538 页: 144-152 DOI:

10.1016/j.jallcom.2012.05.108 出版年: OCT 15 2012

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2. 标题: **Direct, Rapid, Facile Photochemical Method for Preparing Copper Nanoparticles and Copper Patterns**

作者: Zhu, Xiaoqun; Wang, Bowen; Shi, Feng; 等.

来源出版物: LANGMUIR 卷: 28 期: 40 页: 14461-14469 DOI: 10.1021/la303244p 出版年: OCT 9 2012

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刊登物理学科各领域中原创新性成果的前沿研究综述、研究快讯及研究论文。该刊以论文水平高、创新性强,发表速度快的特点,受到国内外物理学工作者的高度重视,被国际著名的SCI等17种核心检索系统收录。2004年在SCI数据库中,影响因子为1.250。该刊被引频次已连续5年居中国物理类期刊第一位,已达到国际期刊的中上水平。在中信所数据库中,该刊被引频次和影响因子已连续7年居中国物理类期刊第一位,曾多次被评为中国科学院优秀期刊一等奖,荣获首届、第二届、第三届全国期刊奖,2001年荣获中国期刊方阵“双高”(高知名度,高学术水平)期刊和2001, 2002, 2003, 2004, 2005年百种中国杰出学术期刊奖。 欢迎各省、市、县图书情报界、科技教育界、高科技企业界及广大物理学工作者订阅。

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作者: Eastman, JA; Choi, SUS; Li, S; 等.
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- ☐ 标题: **Preparation of Cu nanoclusters within dendrimer templates**
作者: Zhao, MQ; Sun, L; Crooks, RM
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Anomalously increased effective thermal conductivities of ethylene glycol-based nanofluids containing copper nanoparticles

作者: Eastman, JA (Eastman, JA); Choi, SUS (Choi, SUS); Li, S (Li, S); Yu, W (Yu, W); Thompson, LJ (Thompson, LJ)

来源出版物: APPLIED PHYSICS LETTERS 卷: 78 期: 6 页: 718-720 DOI: 10.1063/1.1341218 出版年: FEB 5 2001

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摘要: It is shown that a "nanofluid" consisting of copper nanometer-sized particles dispersed in ethylene glycol has a much higher effective thermal conductivity than either pure ethylene glycol or ethylene glycol containing the same volume fraction of dispersed oxide nanoparticles. The effective thermal conductivity of ethylene glycol is shown to be increased by up to 40% for a nanofluid consisting of ethylene glycol containing approximately 0.3 vol % Cu nanoparticles of mean diameter < 10 nm. The results are anomalous based on previous theoretical calculations that had predicted a strong effect of particle shape on effective nanofluid thermal conductivity, but no effect of either particle size or particle thermal conductivity. (C) 2001 American Institute of Physics.

入藏号: WOS:000166737800012

文献类型: Article

语种: English

KeyWords Plus: FLUIDS

通讯作者地址: Eastman, JA (通讯作者), Argonne Natl Lab, Div Mat Sci, 9700 S Cass Ave, Argonne, IL 60439 USA.

2012/11/14

1. Argonne Natl Lab, Div Mat Sci, Argonne, IL 60439 USA

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Fu, H. L. Effect of interfacial nanolayer on thermophoresis in nanofluids. INTERNATIONAL JOURNAL OF THERMAL SCIENCES, NOV 2012.

Yu, Wei. Experimental investigation on the heat transfer properties of Al₂O₃ nanofluids using the mixture of ethylene glycol and water as base fluid. POWDER TECHNOLOGY, NOV 2012.

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